

Docket No.: 20140-00301-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Panayotis C. Andricacos et al.

Application No.: 10/611,931

Confirmation No.: 3968

Filed: July 3, 2003

Art Unit: 2815

For: **SELECTIVE CAPPING OF COPPER
WIRING**

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent,

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publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0510, under Order No. 20140-00301-US. A duplicate copy of this paper is enclosed.

Dated:

2/2/04

Respectfully submitted,

By

Burton A. Amernick

For

Registration No.: 24,852

CONNOLLY BOVE LODGE & HUTZ LLP

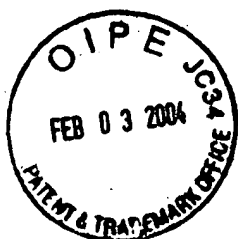
1990 M Street, N.W., Suite 800

Washington, DC 20036-3425

(202) 331-7111

(202) 293-6229 (Fax)

Attorney for Applicant



PTO/SB/08a/b (06-03)

Approved for use through 07/31/2003. OMB 0651-0031

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/611,931-Conf. #3968
				Filing Date	July 3, 2003
				First Named Inventor	Panayotis C. Andricacos
				Art Unit	2815
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	20140-00301-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-6,441,492 B1	08-27-2002	Cunningham	
	AB	US-6,368,484	04-09-2002	Volant et al.	
	AC	US-6,339,258 B1	01-15-2002	Cooney, III et al.	
	AD	US-6,333,560 B1	12-25-2001	Uzoh	
	AE	US-5,865,984	02-02-1999	Corbin, Jr. et al.	
	AF	US-5,486,282	01-23-1996	Datta et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Hu et al., "Chemical Vapor Deposition Copper Interconnections and Electromigration," Electrochemical Society Proceedings, Volume 97-25, 1997, p. 1514 et seq.	
	CB	Hu et al., "Electromigration in On-Chip Single/Dual Damascene Cu Interconnections," Journal of The Electrochemical Society, 149 (7) 2002, pp. G408-G415.	
	CC	Hu et al., "Scaling Effect on Electromigration in On-Chip Cu Wiring," IEEE, 1999, pp. 267-269.	
	CD	Edelstein et al., "A High Performance Liner for Copper Damascene Interconnects," IEEE, 2001, pp. 9-11.	
	CE	Ramani et al., "Synthesis and Characterization of Hydrous Ruthenium Oxide-Carbon Supercapacitors," Journal of The Electrochemical Society, 148 (4), 2001, pp. A374-A380.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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